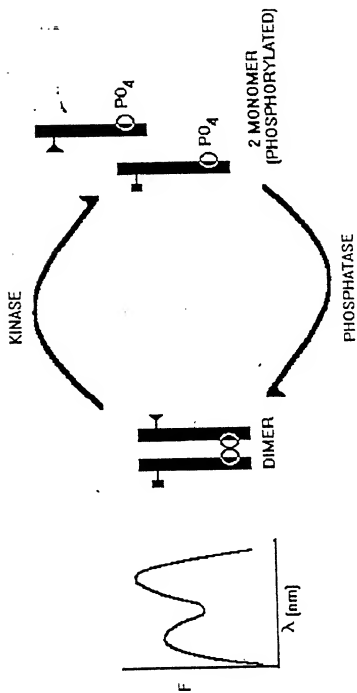


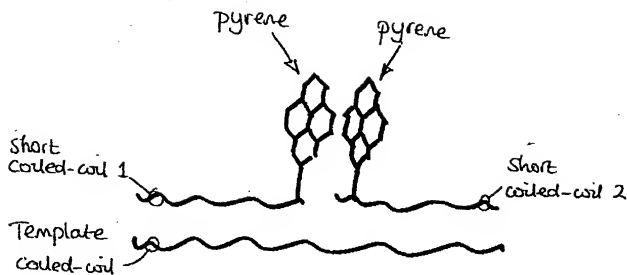
FIG. 1



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FIG. 2

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Excimer configuration
of pyrene pairs

FIG. 3

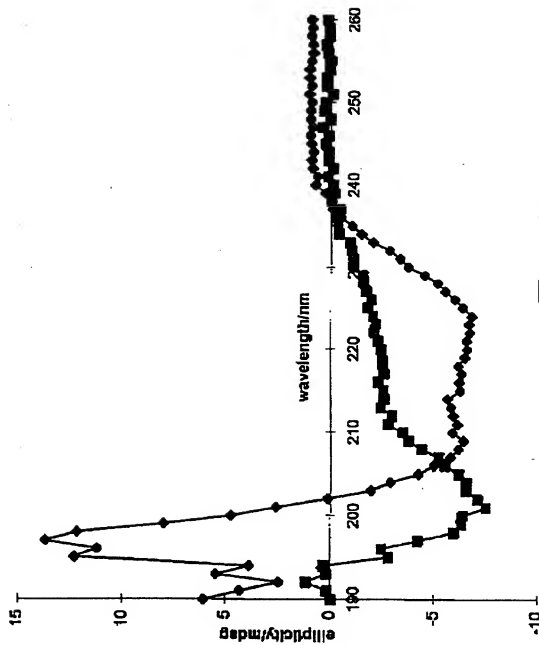


FIG. 4

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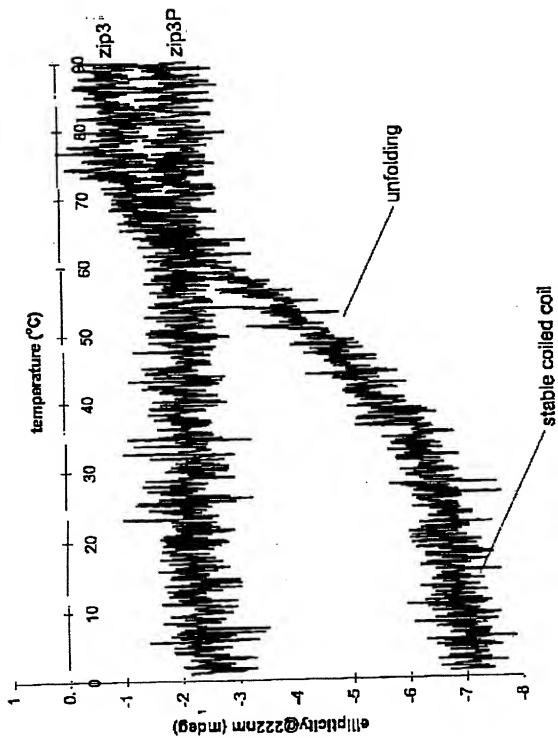


FIG. 5

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Addition of 0.48 μ M Zip3R to
0.08 μ M Zip3F

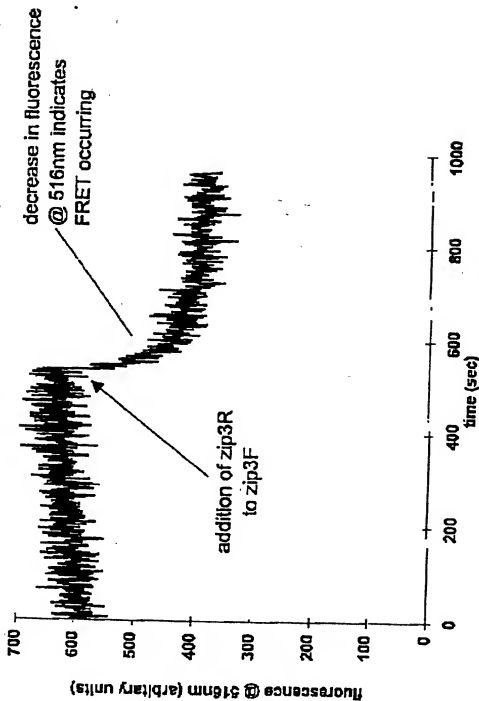


FIG. 6

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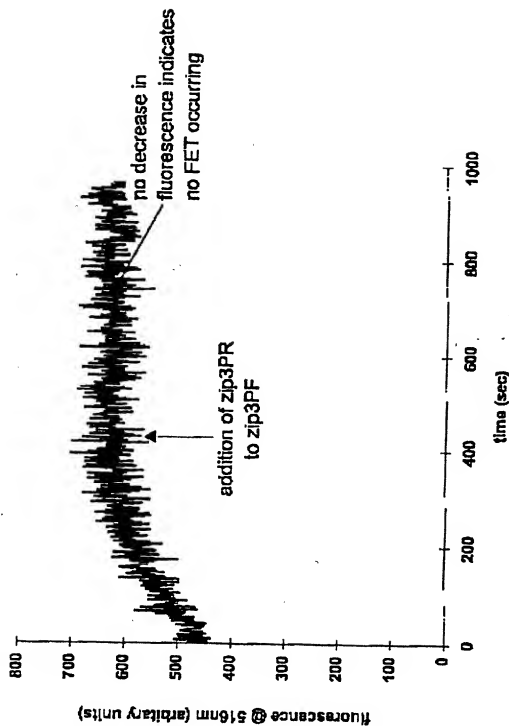


FIG. 7

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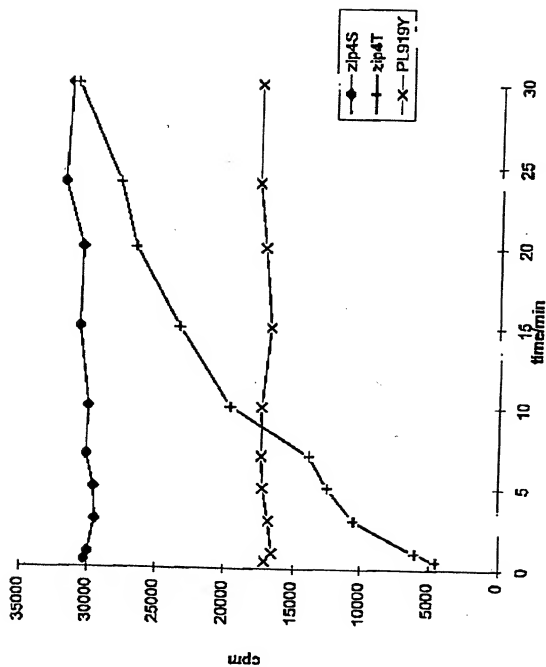
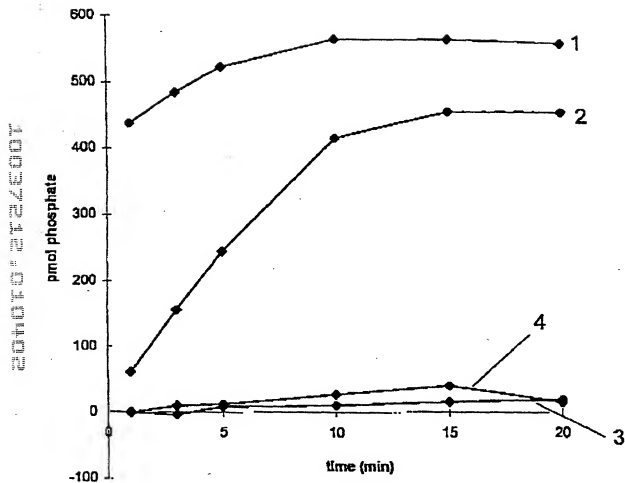


FIG. 8

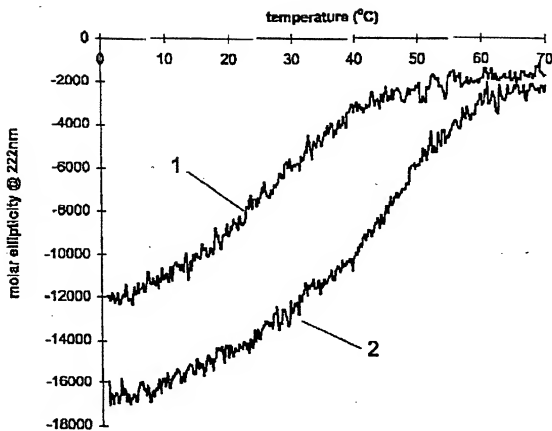
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- 1 - Autocamtide II phosphorylated by CaMKII in the presence of Ca^{2+} and Calmodulin
- 2 - Zip4S phosphorylated by PKA
- 3 - Zip4S phosphorylated by CaMKII in the presence of Ca^{2+} and Calmodulin
- 4 - Autocamtide II phosphorylated by CaMKII in the presence of Calmodulin (Ca^{2+} absent)

FIG. 9

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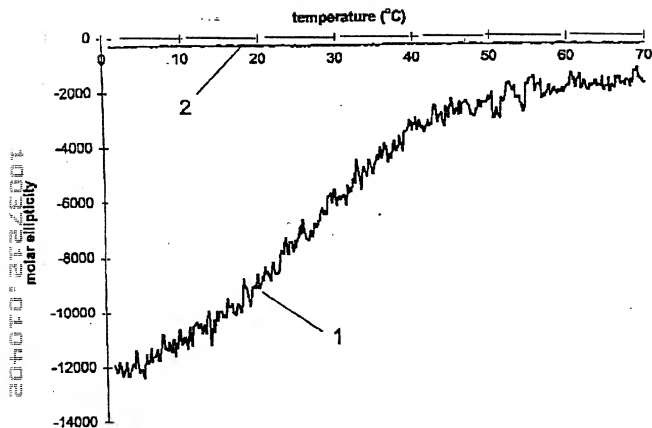


1 - zip4S

2 - zip4T

FIG. 10

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1 - zip4S
2 - zip4SP

FIG. 11

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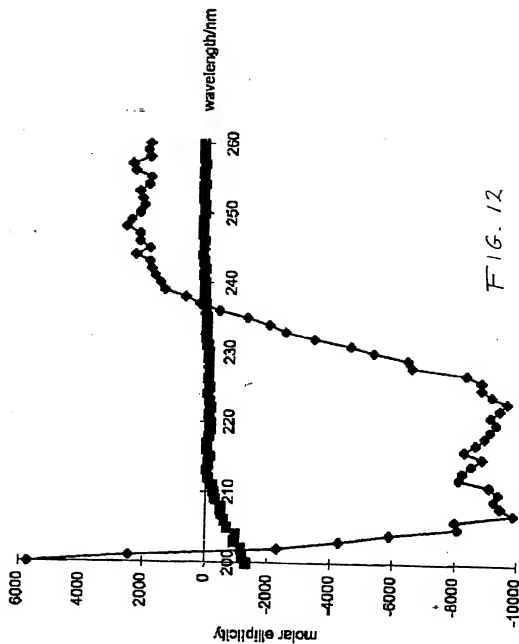
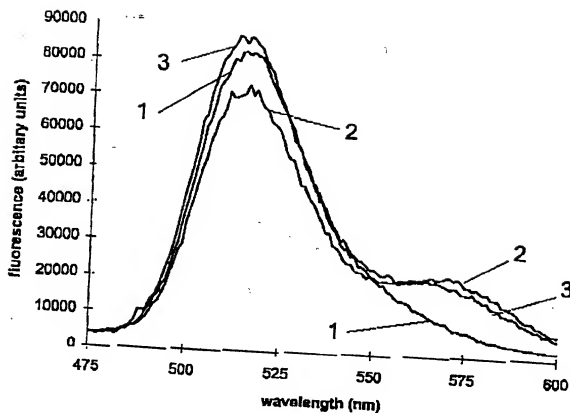


FIG. 12

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- 1 - 0.08 μ M Zip4SF
- 2 - 0.08 μ M Zip4SF + 0.48 μ M Zip4SR
- 3 - 0.08 μ M Zip4SF + 0.48 μ M Zip4SR + 0.03 μ M PKA

FIG. 13

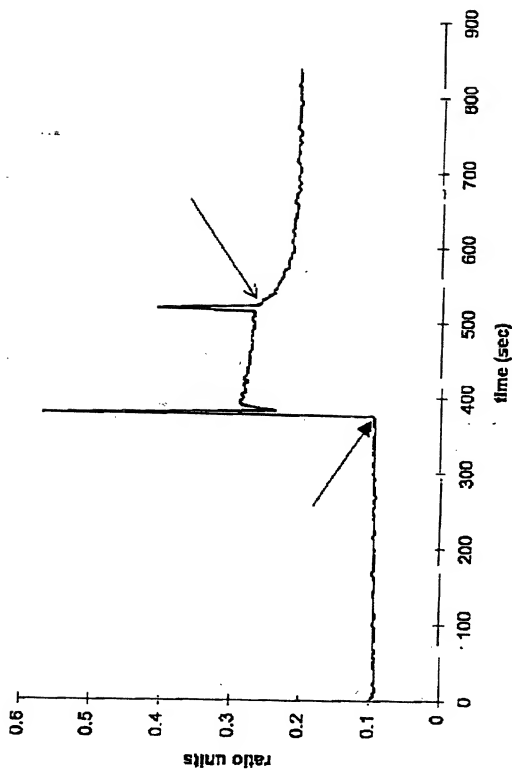


FIG. 14